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(74) Agent: NAMAIE, Mirza, Khaleel; Tan Rajah & Cheah,  
9 Battery Road #15-00, Straits Trading Building, Singapore  
049910 (SG).

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(71) Applicant (for all designated States except US): JOHNS  
HOPKINS SINGAPORE PTE LTD [SG/SG]; 41 Science  
Park Road, #03-18 The Gemini, Singapore Science Park II,  
Singapore 117610 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WANG, Jun  
[CN/US]; 720 Rutland Avenue, 729 Ross Building, Balti-  
more, MD 21205-2196 (US). MAO, Hai-Quan [CN/SG];  
Block 60 West Coast Crescent, #04-01 West Bay Condo-  
minium, Singapore 128040 (SG). LEONG, Kam, Weng  
[US/US]; 10242 Breconshire Road, Ellicott City, MD  
21042 (US).

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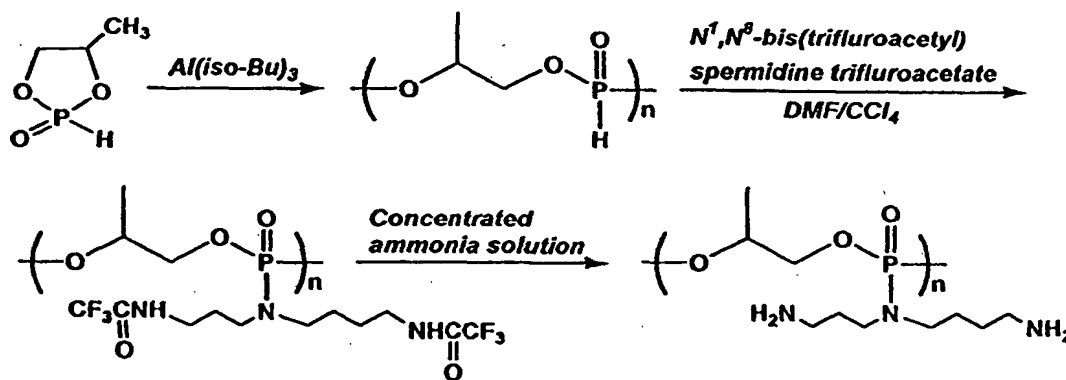
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(54) Title: BIODEGRADABLE POLYPHOSPHORAMIDATES FOR CONTROLLED RELEASE OF BIOACTIVE SUB-  
STANCES



(57) Abstract: The present invention is directed to a series of new polycationic biodegradable polyphosphoramidates. Process for making the polymers, compositions containing these polymers and bioactive ligands to enhance the cellular uptake and intracellular trafficking, articles and methods for delivery of drugs and genes using these polymers are described. A gene delivery system based on these polymers is prepared by complex coacervation of nucleic acid (DNA or RNA) with polymers. Targeting ligands and molecules that could facilitate gene transfer can be conjugated to polymers to achieve selective and enhanced gene delivery. The current invention also provides a complex composition with buffering capacity.

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